

SEMICONDUCTOR STRUCTURE HAVING IN-SITU FORMED UNIT

RESISTORS AND METHOD FOR FABRICATION

Abstract of the Disclosure

5 An electronic structure that has in-situ formed unit
resistors and a method for fabricating such structure are
disclosed. The electronic structure that has in-situ formed unit
resistors consists of a first plurality of conductive elements
formed in an insulating material layer, a plurality of electrically
resistive vias formed on top and in electrical communication with
10 at least one of the first plurality of conductive elements, and a
second plurality of conductive elements formed on top of and in
electrical communication with at least one of the plurality of
electrically resistive vias. The present invention novel structure
may further be formed in a multi-level configuration such that
15 multi-level resistors may be connected in-series to provide larger
resistance values. The present invention novel structure may
further be combined with a capacitor network to form desirable RC
circuits.